

ABSTRACT OF THE DISCLOSURE

The invention provides a frequency converter for a cable television transmitter, which executes frequency conversion with one frequency mixer to simplify the total configuration, to prevent deterioration of the carrier vs. noise ratio, and to effectively remove spurious frequency components. The frequency converter of the invention includes a frequency conversion unit that executes frequency mixing of an intermediate frequency signal and a local oscillator signal to convert the intermediate frequency signal into a high frequency signal corresponding to a transmission channel, and plural stage variable tuning filters connected in cascade to the output of the frequency conversion unit, which are each individually tuned to the high frequency signal corresponding to the transmission channel.